



# NITFS Compliance Registration



**Product:** Meteorological Data Station AN/UMQ-13 (Mark IVB) **Release Date:** 02 April 2005  
**Sponsor:** Space and Missile Systems Center (SMC) Detachment 11/WXD **Expiration:** 01 April 2007  
**Developer:** Lockheed Martin Corporation/Integrated Systems and Solutions **Registration #:** 3010

- ☒ Initial Registration  
☐ Supplemental/Update #  
☐ Derived from Reg. #

## Complexity Level

NITF 2.1 CLEVEL							
	3	5	6	7			
Interpret							
Generate							
NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Oth
Interpret							
Generate							

## Configurations Tested:

- 2.8 GHz Intel Pentium, Windows XP

☐ **System**  
N-0105/98, §4.1.1

☐ **Product**  
N-0105/98, §4.1.2

☒ **Component**  
N-0105/98, §4.1.3

\*\* NITF 2.0 feature  
\* NITF 2.1 feature

## NITFS Features Implemented:

### Format

#### NITF

- ☒ V2.1  
☐ V2.0  
☐ V1.1

#### NSIF

- ☐ V1.0

### Pixel Value Types

- ☐ Boolean  
☒ Integer  
☐ Signed Integer \*  
☐ IEEE Real \*  
☐ IEEE Complex \*

### Annotation Segment Types

- ☐ Bit Mapped \*\*  
☐ CGM, 2301  
☐ CGM, 2301A  
☐ Labels \*\*

### Text Segments

- ☐ STA  
☐ UT1  
☐ U8S  
☐ MTF

### Image Segment Types

- ☐ MONO  
☐ RGB  
☒ RGB/LUT  
☐ YCbCr  
☐ MULTI  
☐ NODISPLAY  
☐ POLAR

### Image Compression

- ☒ Not Compressed  
☐ JPEG Lossy, 8-bit  
☐ JPEG Lossy, 12-bit  
☐ JPEG Downsample  
☐ JPEG Lossless  
☐ JPEG 2000  
☐ Bi-Level  
☐ Vector Quantization  
☐ Multispectral JPEG, Individual Band

### Data Extension Segments

- ☐ TRE\_OVERFLOW  
☐ STREAMING\_FILE\_HEADER  
☐ Controlled Extensions \*\*  
☐ Registered Extensions \*\*

### Tagged Record Extensions

- DIGEST GeoSDE

Legend  
Interpret  
Gen  
☒ Fully implemented  
☒ Partially implemented  
☐ Not implemented

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.

EDWARD E. BOYLES II, Division Chief  
Joint Interoperability Test Command  
Executive Agent to National Geospatial-  
Intelligence Agency for the NITFS Test and  
Evaluation Program